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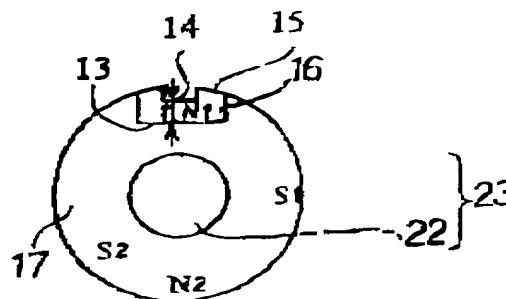
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(54) COMPOSITE BONDED MAGNET, ROTATING MACHINE, AND MAGNET ROLL

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a new high-performance composite bonded magnet, which has higher maximum energy product (BH)_{max} than that of the conventional anisotropic sintered ferrite magnet, and is improved in magnetization or heat resistance.

SOLUTION: This composite bonded magnet is composed substantially of R-T-B-based magnetic powder, containing an R₂T₁₄B intermetallic compound (where R and T respectively denote at least one kind of rare-earth element including Y and Fe or Fe and Co) as a main phase and has a mean crystal grain diameter of 0.01-0.5 μm, and is a sintered ferrite magnetic powder substantially having a magnetoplumbite type crystal structure, and a binder which binds the two kinds of magnetic powder to each other.



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